

Serial Number: 10/087,013

3/26/2002 0321

ENTERED

- Changed a file from non-ASCII to ASCII
- Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- Edited a format error in the Current Application Data section, specifically:

- Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____.
- Added the mandatory heading and subheadings for "Current Application Data".
- Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- Changed the spelling of a mandatory field (the headings or subheadings), specifically:

- Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

- Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

- Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- Inserted colons after headings/subheadings. Headings edited included:

- Deleted extra, invalid, headings used by an applicant, specifically:

- Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file;
 page numbers throughout text; other invalid text, such as _____.
- Inserted mandatory headings, specifically:

- Corrected an obvious error in the response, specifically:

- Edited identifiers where upper case is used but lower case is required, or vice versa.
- Corrected an error in the Number of Sequences field, specifically:

- A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected:

- Other: *Seq 2 - inserted hard returns*

- _____
- _____



OIPE

RAW SEQUENCE LISTING DATE: 03/26/2002
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Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03262002\J087013.raw

4 <110> APPLICANT: Arthur Scherf
5 Louis H. Miller
6 Benoit Gamain
7 Dror I. Baruch
8 Pierre Buffet
9 Christine Scheidig
10 Jurg Gysin
11 Bruno Pouvelle
12 Nobutaka Fujii
13 Joseph Smith
15 <120> TITLE OF INVENTION: IDENTIFICATION OF THE DOMAIN OF
16 PLASMODIUM FALCIPARUM ERYTHROCYTE MEMBRANE PROTEIN 1
17 (PFEMP1) THAT MEDIATES ADHESION TO CHONDROITIN SULFATE A
20 <130> FILE REFERENCE: NIH176.001C1
C--> 22 <140> CURRENT APPLICATION NUMBER: US/10/087,013
C--> 22 <141> CURRENT FILING DATE: 2002-02-21
22 <150> PRIOR APPLICATION NUMBER: PCT/US00/24195
23 <151> PRIOR FILING DATE: 2000-09-01
25 <150> PRIOR APPLICATION NUMBER: 60/152,023
26 <151> PRIOR FILING DATE: 1999-09-01
28 <160> NUMBER OF SEQ ID NOS: 11
30 <170> SOFTWARE: FastSEQ for Windows, Version 4.0
32 <210> SEQ ID NO: 1
33 <211> LENGTH: 10628
34 <212> TYPE: DNA
35 <213> ORGANISM: Plasmodium falciparum
37 <400> SEQUENCE: 1
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40 cgttatgcc aaaaatataag acatccatca aaatatgca aagaacatgt ggattcggt 180
41 aaaggggatt tgacgaaagc agaatttcgt ggtggtcctt ctacgcccagt aaataaagcat 240
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43 gatgatgtga atttgagaca tccttgccat ggttagagaac aaaaccgatt tgatgaagat 360
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47 gaatcaattt ttaataatca tccacataaa ggaacttcag acgcttgtac tgctctgca 600
48 cgaagtttg cagatattagg tgatattgtt agaggaatag atatgtttaa accaaatgtc 660
49 catgacaaag tagaaacggg tctccgagag gttttcaaga aaatacatgaa tggaaatggaa 720
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51 gcatgggtaa atgtgaatag aaataaagta tgggaagcta taacatgtga tgcatacatat 840
52 aaatctggat attttatgca atcagaaagt aatacaccat tattttcaaaa tcctaaatgc 900
53 ggccataaac aaggaaagt tcctaccaat ttagattatg tccctcaata ttacgggt 960

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58 gaaaaatatg	aaaaagaaat	acaatcatat	ttatcgaacg	ataacaaatt	tgtcaataat	1260
59 attaatagtg	aatattataa	acaattttat	gaaaaactta	aggaaacgca	atatgcaact	1320
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61 gaaaaggata	ttactttac	taacagtgc	gatgacaaag	ggatattta	tcgttcagaa	1440
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63 tcagataatg	atcgtgaacg	tgtaaataat	gaagactata	aacctccatg	gggtgtgaag	1560
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66 tattataagg	atgaaaatat	aaatagatgt	aaactggAAC	aaaatactga	aatcaataat	1740
67 gataatccta	agataatatac	atttcataat	tttttgaat	tatgggtac	atatttatta	1800
68 agggatacta	ttaagtggaa	tgacaaactt	aaaacttgta	taaataatac	aaccacgcac	1860
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84 aaggccccca	aagaagtaac	tgacccaaa	caccagacaa	otatctgtcg	agctatacgt	2820
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208	tataaaacat	tgatagaagt	agtactagaa	ccatcaaaaa	gggatatacc	aagtgtatgat	10260											
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210	aaacatgatt	ttgtatctca	atatttacca	aatacagaac	caaataataa	ttacaaaaagt	10380											
211	gcagatattc	caatgaatac	agaacctaata	actttatatt	ctgataatcc	tgaagaaaaa	10440											
212	ccttttatta	tatctattca	tgataggat	ttatatactg	ggaaagaaaat	tagttataat	10500											
213	attaatatga	gtactaatac	taataatgat	attccaatga	atgctagaaa	tgattcttat	10560											
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215	aagtattg						10628											
217	<210>	SEQ ID NO:	2															
218	<211>	LENGTH:	3542															
219	<212>	TYPE:	PRT															
220	<213>	ORGANISM:	Plasmodium falciparum															
222	<400>	SEQUENCE:	2															
223	Met	Gly	Phe	Ser	Cys	Lys	Tyr	Phe	Ile	Ile	Lys	Met	Gly	Asn	Ala	Ala		
224	1					5				10							15	
225	Ser	Ser	Leu	Glu	Gly	Asp	Ala	Lys	Ser	Pro	Ile	Ile	Lys	Glu	Ser	His		
226								20			25						30	
227	Lys	Ser	Ala	Arg	Asn	Val	Leu	Glu	Arg	Tyr	Ala	Lys	Asn	Ile	Arg	His		
228								35			40						45	
229	Pro	Ser	Lys	Tyr	Ala	Lys	Glu	His	Val	Asp	Ser	Leu	Lys	Gly	Asp	Leu		
230								50			55						60	
231	Thr	Lys	Ala	Glu	Phe	Arg	Gly	Gly	Pro	Ser	Thr	Pro	Val	Asn	Lys	His		
232	65						70				75						80	
233	Asn	Tyr	Tyr	Tyr	Pro	Tyr	Pro	Cys	Asn	Leu	Asp	His	Lys	Glu	His	Thr		
234								85			90						95	
235	Asn	Leu	Arg	Tyr	Asp	Asp	Val	Asn	Leu	Arg	His	Pro	Cys	His	Gly	Arg		
236								100			105						110	
237	Glu	Gln	Asn	Arg	Phe	Asp	Glu	Asp	Glu	Glu	Ser	Glu	Cys	Gly	Asn	Lys		
238								115			120						125	
239	Ile	Arg	Asn	Tyr	Lys	Arg	Lys	Asn	Asp	Ala	Ile	Ala	Cys	Ala	Pro	Pro		
240								130			135						140	
241	Arg	Arg	Arg	His	Met	Cys	Asp	Lys	Asn	Leu	Glu	Ala	Leu	Asn	Asp	Ile		
242	145							145			150						160	
243	Asn	Thr	Gln	Asn	Ile	His	Asp	Leu	Leu	Gly	Asn	Val	Leu	Val	Thr	Ala		
244									165			170					175	
245	Lys	Tyr	Glu	Gly	Glu	Ser	Ile	Val	Asn	Asn	His	Pro	His	Lys	Gly	Thr		
246								180			185						190	
247	Ser	Asp	Ala	Cys	Thr	Ala	Leu	Ala	Arg	Ser	Phe	Ala	Asp	Ile	Gly	Asp		
248								195			200						205	
249	Ile	Val	Arg	Gly	Ile	Asp	Met	Phe	Lys	Pro	Asn	Val	His	Asp	Lys	Val		
250								210			215						220	
251	Glu	Thr	Gly	Leu	Arg	Glu	Val	Phe	Lys	Ile	His	Asp	Gly	Met	Glu			

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 03/26/2002
PATENT APPLICATION: US/10/087,013 TIME: 12:03:20

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF3\03262002\J087013.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 2,5